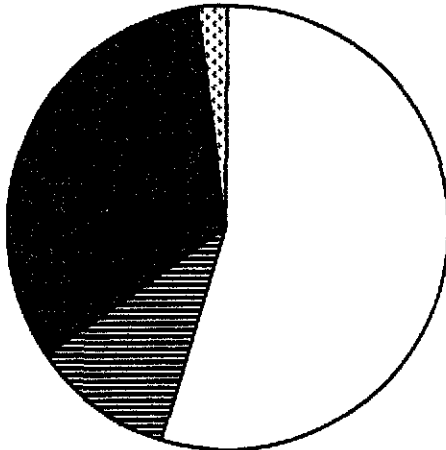


# WATER UTILITY SYSTEM CAPITAL PROGRAM

## 2007-2011 Capital Improvement Program

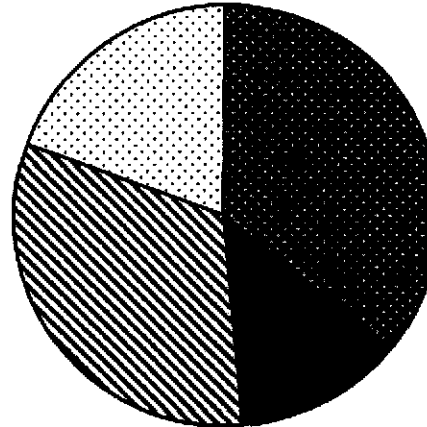
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**2006-2007 Adopted**  
**Source of Funds**



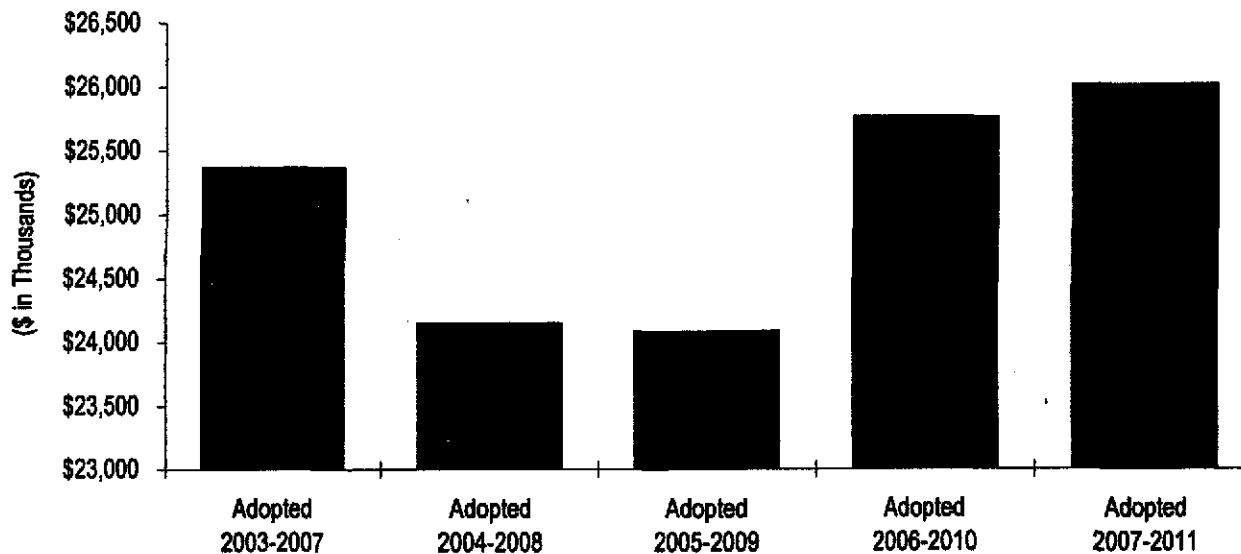
☐ Beginning Fund Balance  
☐ Taxes, Fees and Charges  
☐ Loans & Transfers  
☐ Miscellaneous

**2006-2007 Adopted**  
**Use of Funds**



☐ Construction  
☐ Non-Construction  
☐ Reserves  
☐ Ending Fund Balance

**CIP History**







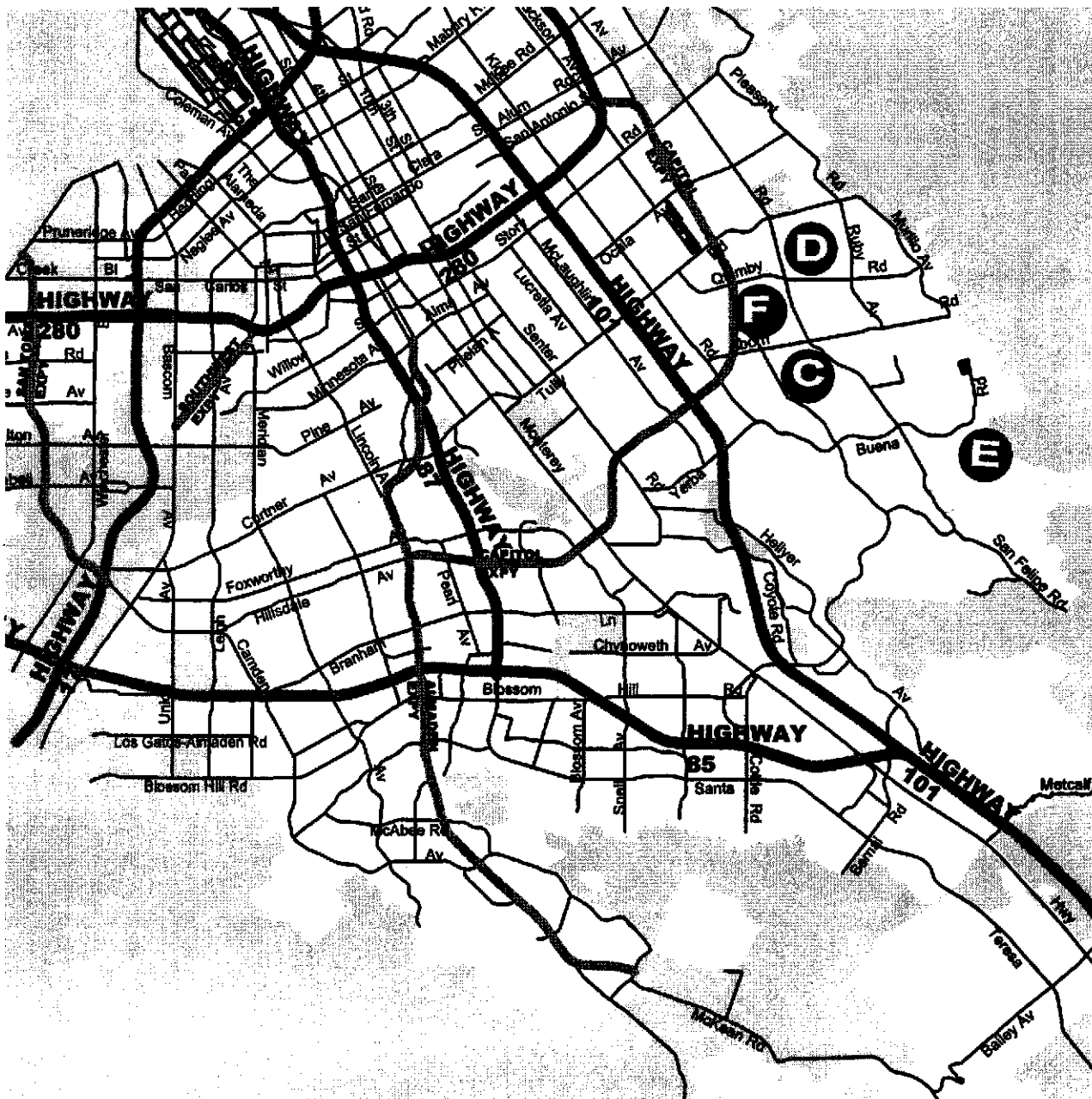


# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### 2006-2007 Project Approximate Locations:(South)

- C) Forestwood Drive Main Replacement
- D) Norwood Pump Station Replacement
- E) Villa Vista Reservoir Rehabilitation
- F) Water Valve Rehabilitation



# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Overview

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#### Introduction

The Water Utility System Capital Program is developed to ensure reliable utility infrastructure for the San José Municipal Water System. The San José Municipal Water System provides water utility service, in accordance with State of California Department of Health Services requirements, to areas approved for development by the City Council and within the City's water service area. The program's mission is to provide superior water service at competitive rates. The 2007-2011 Adopted Capital Improvement Program (CIP) provides funding of \$26.0 million, of which \$9.4 million is allocated in 2006-2007.

This program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcomes: *Reliable Utility Infrastructure* and *Safe, Reliable, Sufficient Water Supply*.

#### Program Priorities and Objectives

Projects are programmed, as funding allows, to provide facilities necessary for new development and to provide the fire flow pressure and volume recommended by the San José Fire Department. Projects in the 2007-2011 Adopted CIP include the construction of new facilities, maintenance of existing infrastructure, and improvements to the Water Utility System facilities. In addition, the Reserve for System Rehabilitation/Replacement project continues accumulating funds for future system needs. Consistent with Ordinance No. 26903 which was approved by Council on May 27, 2003, this reserve of \$1.9 million equals 7% of the consolidated water revenues at the end of the 2007-2011 CIP.

The San José Municipal Water System provides water service to approximately 26,500 customers

in five areas within the City of San José: Evergreen, North San José, Alviso, Edenvale, and Coyote. The Evergreen Service Area generally coincides with the boundaries of Council District 8, east of Highway 101. The North San José Service Area is generally north of Trimble Road, between the Guadalupe River and Coyote Creek, and is located in Council District 4. The Alviso Service Area includes the area within the corporate limits of the former City of Alviso, also in District 4. The Edenvale Service Area is south of Hellyer Avenue and east of Coyote Creek, in District 8. The Coyote Service Area, located in District 2, encompasses the area generally south of Tulare Hill, west of Highway 101, and north of Palm Avenue. Overall, the system growth rate was 1.8% in 2004-2005 and the estimated growth rate is 1.5% for 2005-2006. This overall growth rate is anticipated to again be approximately 1.5% in 2006-2007.

#### Sources of Funding

Revenue for the 2007-2011 Adopted CIP is derived from two sources: transfers from the Consolidated Water Utility Fund to the Water Utility Capital Fund, which primarily generates revenue from water sales in the Evergreen, North San José, Alviso, Edenvale, and Coyote Valley areas (\$14.8 million), and fees (\$5.2 million). Fee revenue from the Major Facilities Fee Fund and the Water Utility Capital Fund consists of Service Connection Fees (\$1.9 million), Advanced System Design Fees (\$1.7 million), Meter Installation Fees (\$925,000) and Major Water Facilities Fees (\$750,000). All fee revenues are paid to the City by developers. Revenue projections for these sources are consistent with projections in last year's 2006-2010 Adopted CIP.

Over the five years of this Adopted CIP, the funds available for capital improvements are

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Overview

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#### Sources of Funding (Cont'd.)

estimated to total \$26.0 million, consisting of \$22.5 million in the Water Utility Capital Fund and \$3.5 million in the Major Facilities Fee Fund. This is a slight increase of \$200,000 over last year's Adopted CIP. The increase reflects the normal fluctuation in the capital investment level required to maintain the system in good to excellent condition. This year's CIP continues to reflect the annual loan repayment to the Sewage Treatment Plant Connection Fee Fund for a prior year loan associated with costs for the North Coyote Valley Water System. Over the five years, this loan repayment totals \$3.5 million.

#### Program Highlights

##### Evergreen Service Area

The Evergreen Service Area contains 87% or 23,162 of the total customers served by the water system. These customers account for 73% of the total water usage in the system. The new residential development rate in Evergreen remained at approximately 2% last year and is expected to decrease to approximately 1.5% for the next two years.

To meet the service needs of new developments in the Evergreen Area, the program continues its policy of requiring developers to construct distribution system improvements such as pipelines, service connections, and fire hydrants. Reservoirs and pump stations, and other large facilities, are either constructed by developers or funded from the Major Facilities Fee Fund revenues and are constructed by the Municipal Water System, as funds are available. Construction and reconstruction of projects for existing customers are funded from water sale revenue.

Projects scheduled in 2006-2007 in the Evergreen Service Area include Reservoir Seismic Retrofit (\$100,000), which is the last year of a five-year, \$305,000 program retrofitting existing reservoirs with flexible pipeline connections, Forestwood Drive Main Replacement, design of the Norwood Pump Station Replacement, Villa Vista Reservoir Rehabilitation, the second year of a Water Valve Rehabilitation project, and other miscellaneous improvements to better protect the system during a seismic event.

##### North San José and Alviso Service Areas

The City is a party with 29 other suburban agencies to the Master Contract Agreement (MCA) with the City of San Francisco for water supplied by the Hetch-Hetchy system that will expire June 30, 2009. Under the Interim Water Shortage Allocation Plan developed by the parties to the MCA and approved by the City Council in April of 2001, the City is now a *non-interruptible* customer for the balance of the term of the MCA. Under this plan, in the event of a drought, the Municipal Water System would receive an average of 2.65 million gallons of Hetch-Hetchy water per day. This represents a 39% reduction from current deliveries, but is essentially the same quantity of water the system is entitled to receive at minimum under the current MCA. The City has four wells in North San José that could provide backup supply in the event Hetch-Hetchy deliveries are reduced.

The North San José/Alviso area experienced considerable industrial and commercial growth in the last several years and this trend is expected to continue, although at a lower rate. In addition to this trend, a rise in residential growth is now expected.

# **Water Utility System Capital Program**

## **2007-2011 Adopted Capital Improvement Program**

### **Overview**

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#### **Program Highlights (Cont'd.)**

##### North San José and Alviso Service Areas (Cont'd.)

One project, a Water Valve Rehabilitation project, is scheduled in the North San José and Alviso service areas.

##### Edenvale Service Area

This industrial section of San José is within the expanded Edenvale Redevelopment Project area. Basic water facilities for domestic supply and fire protection for the area north of Silver Creek Valley Road include three wells and a reservoir.

##### Coyote Service Area

City funding for developer constructed water facilities in the primarily industrial North Coyote Valley Service Area was provided in accordance with the Master Development Agreement. A loan from the Sewage Treatment Plant Connection Fee Fund provided the initial funding for the North Coyote Valley Water System project. The repayment of the loan is programmed to continue in 2006-2007.

#### **Major Changes from the 2006-2010 Adopted CIP**

Major changes from the 2006-2010 Adopted CIP include the following:

- Additional funding in the amount of \$850,000 to fund the Castleton Drive Main Replacement project.
- New funding in the amount of \$1 million to fund the Forestwood Drive Main Replacement project.

#### **Operating Budget Impact**

There are no additional maintenance and operating costs associated with the projects in the 2007-2011 Adopted CIP.

#### **Council Approved Revisions to the Proposed Capital Improvement Program**

During the June budget hearings, the City Council approved the rebudgeting of \$408,000 for four projects: North Coyote Valley Water System (\$170,000), Gold Street Main Replacement (\$165,000), Security Improvements (\$70,000) and CIP Database Enhancement (\$3,000).



**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Source of Funds**

V - 179

<b>SOURCE OF FUNDS</b>	<b>Estimated 2005-2006</b>	<b>2006-2007</b>	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>5-Year Total</b>
<b><u>Water Utility Capital Fund</u></b>							
<b>Beginning Fund Balance</b>	2,787,061	2,759,095	768,995	808,895	873,795	1,092,695	2,759,095 *
<b>Taxes, Fees &amp; Charges:</b>							
<b><u>Water Utility Fees</u></b>							
- Advance System Design Fees	310,000	320,000	330,000	340,000	350,000	360,000	1,700,000
- Meter Installation Fees	150,000	150,000	175,000	200,000	200,000	200,000	925,000
- Service Connection Fees	340,000	350,000	360,000	370,000	380,000	390,000	1,850,000
<b>Contributions, Loans and Transfers from:</b>							
<b><u>Special Funds</u></b>							
- Transfer from Water Utility Fund	2,901,000	3,042,000	2,611,000	2,498,000	3,626,000	3,000,000	14,777,000
<b>Interest Income</b>	77,000	112,000	83,000	86,000	89,000	98,000	468,000
<b>Reserve for Encumbrances</b>	740,034						
<b>Total Water Utility Capital Fund</b>	<b>7,305,095</b>	<b>6,733,095</b>	<b>4,327,995</b>	<b>4,302,895</b>	<b>5,518,795</b>	<b>5,140,695</b>	<b>22,479,095 *</b>
<b><u>Major Facilities Fund</u></b>							
<b>Beginning Fund Balance</b>	3,198,252	2,371,303	1,046,303	915,303	803,303	1,011,303	2,371,303 *
<b>Taxes, Fees &amp; Charges:</b>							
<b><u>Major Water Facilities Fees</u></b>	150,000	150,000	150,000	150,000	150,000	150,000	750,000
<b>Interest Income</b>	92,000	105,000	84,000	78,000	73,000	79,000	419,000
<b>Reserve for Encumbrances</b>	1,210,051						
<b>Total Major Facilities Fund</b>	<b>4,650,303</b>	<b>2,626,303</b>	<b>1,280,303</b>	<b>1,143,303</b>	<b>1,026,303</b>	<b>1,240,303</b>	<b>3,540,303 *</b>
<b>TOTAL SOURCE OF FUNDS</b>	<b>11,955,398</b>	<b>9,359,398</b>	<b>5,608,298</b>	<b>5,446,198</b>	<b>6,545,098</b>	<b>6,380,998</b>	<b>26,019,398 *</b>

\* The 2007-2008 through 2010-2011 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Use of Funds

	Estimated 2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	5-Year Total
<b><u>USE OF FUNDS</u></b>							
<b><u>Construction Projects</u></b>							
Bon Bon Drive Main Replacement						65,000	65,000
Castleton Drive Main Replacement					65,000	835,000	900,000
Edenvale Well #13 Rehabilitation	1,000						
Edenvale Well #4	922,000						
Montague Turnout						325,000	325,000
Nortech Parkway East Loop Main			100,000	650,000			750,000
North Coyote Valley Water System	5,000	170,000					170,000
North San José Well Site Improvements	180,000						
Remington Drive Main Replacement	472,000						
Taffy Drive Main Replacement	238,000						
1. Forestwood Drive Main Replacement		965,000	35,000				1,000,000
2. Gold Street Main Relocation	189,000	165,000					165,000
3. Infrastructure Improvements	404,000	400,000	420,000	440,000	460,000	480,000	2,200,000
4. Meter Installations	347,000	300,000	300,000	320,000	320,000	320,000	1,560,000
5. North First Street Parallel Main	1,062,000			200,000	1,450,000	25,000	1,675,000
6. Norwood Pump Station Replacement		50,000	750,000	50,000			850,000
7. Reservoir Seismic Retrofit	130,000	100,000					100,000
8. Security Improvements	92,000	220,000					220,000
9. Service Installations	487,000	350,000	360,000	370,000	380,000	390,000	1,850,000
10. System Maintenance/Repairs	508,000	430,000	450,000	470,000	490,000	510,000	2,350,000
11. Villa Vista Reservoir Rehabilitation		40,000	210,000				250,000

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**

**Use of Funds**

<b>USE OF FUNDS (CONTD.)</b>	<b>Estimated 2005-2006</b>	<b>2006-2007</b>	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>5-Year Total</b>
<b><u>Construction Projects</u></b>							
12. Water Valve Rehabilitation	175,000	175,000					175,000
<b>Total Construction Projects</b>	<b>5,212,000</b>	<b>3,365,000</b>	<b>2,625,000</b>	<b>2,500,000</b>	<b>3,165,000</b>	<b>2,950,000</b>	<b>14,605,000</b>
<b><u>Non-Construction</u></b>							
<b>General Non-Construction</b>							
Budget Office Capital Program Staff	17,000						
CIP Action Team	3,000						
CIP Database Enhancement	1,000	3,000					3,000
Evergreen Hydraulic Model	200,000						
Information Technology Staff	17,000						
Major Water Facility Fee Update	80,000						
Water Management System Enhancements	117,000						
13. Advance System Design	310,000	320,000	330,000	340,000	350,000	360,000	1,700,000
14. Major Facilities Fee Administration	15,000	15,000	15,000	15,000	15,000	15,000	75,000
15. Master Plan Engineering	60,000	60,000	70,000	75,000	80,000	85,000	370,000
16. Network System Flow Improvements	51,000	25,000	15,000	5,000	6,000	6,000	57,000
17. Preliminary Engineering	42,000	45,000	48,000	51,000	55,000	60,000	259,000
<b>Total General Non-Construction</b>	<b>913,000</b>	<b>468,000</b>	<b>478,000</b>	<b>486,000</b>	<b>506,000</b>	<b>526,000</b>	<b>2,464,000</b>
<b>Contributions, Loans and Transfers to Special Funds</b>							
City Hall Debt Service Fund		4,100	4,100	4,100	4,100	4,100	20,500
18. Loan Repayment to Sewage Treatment Plant Connection Fee Fund	700,000	700,000	700,000	700,000	700,000	700,000	3,500,000
<b>Total Contributions, Loans and</b>	<b>700,000</b>	<b>704,100</b>	<b>704,100</b>	<b>704,100</b>	<b>704,100</b>	<b>704,100</b>	<b>3,520,500</b>

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Use of Funds**

<b>USE OF FUNDS (CONTD.)</b>	<b>Estimated 2005-2006</b>	<b>2006-2007</b>	<b>2007-2008</b>	<b>2008-2009</b>	<b>2009-2010</b>	<b>2010-2011</b>	<b>5-Year Total</b>
<b><u>Non-Construction</u></b>							
<b>Contributions, Loans and Transfers to Special Funds</b>							
<b>Transfers to Special Funds</b>							
<b>Reserves</b>							
19. Reserve for System Growth Related Projects		1,400,000					1,400,000
20. Reserve for System Rehabilitation/Replacement		1,607,000	77,000	79,000	66,000	105,000	1,934,000
<b>Total Reserves</b>		<b>3,007,000</b>	<b>77,000</b>	<b>79,000</b>	<b>66,000</b>	<b>105,000</b>	<b>3,334,000</b>
<b>Total Non-Construction</b>	<b>1,613,000</b>	<b>4,179,100</b>	<b>1,259,100</b>	<b>1,269,100</b>	<b>1,276,100</b>	<b>1,335,100</b>	<b>9,318,500</b>
<b>Ending Fund Balance</b>	<b>5,130,398</b>	<b>1,815,298</b>	<b>1,724,198</b>	<b>1,677,098</b>	<b>2,103,998</b>	<b>2,095,898</b>	<b>2,095,898*</b>
<b>TOTAL USE OF FUNDS</b>	<b>11,955,398</b>	<b>9,359,398</b>	<b>5,608,298</b>	<b>5,446,198</b>	<b>6,545,098</b>	<b>6,380,998</b>	<b>26,019,398*</b>

\* The 2006-2007 through 2009-2010 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of same funds.

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**2006-2007 Use of Funds by Funding Source**

	(500) Water Utility Capital Fund	(502) Major Facilities Fund	Total
<b>TOTAL RESOURCES</b>	<b>6,733,095</b>	<b>2,626,303</b>	<b>9,359,398</b>
<b><u>Construction Projects</u></b>			
North Coyote Valley Water System	170,000		170,000
1. Forestwood Drive Main Replacement	965,000		965,000
2. Gold Street Main Relocation		165,000	165,000
3. Infrastructure Improvements	400,000		400,000
4. Meter Installations	300,000		300,000
6. Norwood Pump Station Replacement	50,000		50,000
7. Reservoir Seismic Retrofit	100,000		100,000
8. Security Improvements	220,000		220,000
9. Service Installations	350,000		350,000
10. System Maintenance/Repairs	430,000		430,000
11. Villa Vista Reservoir Rehabilitation	40,000		40,000
12. Water Valve Rehabilitation	175,000		175,000
<b>Total Construction Projects</b>	<b>3,200,000</b>	<b>165,000</b>	<b>3,365,000</b>
<b><u>Non-Construction</u></b>			
<b>General Non-Construction</b>			
CIP Database Enhancement	3,000		3,000
13. Advance System Design	320,000		320,000
14. Major Facilities Fee Administration		15,000	15,000
15. Master Plan Engineering	60,000		60,000
16. Network System Flow Improvements	25,000		25,000
17. Preliminary Engineering	45,000		45,000
<b>Total General Non-Construction</b>	<b>453,000</b>	<b>15,000</b>	<b>468,000</b>

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**2006-2007 Use of Funds by Funding Source**

	(500)	(502)	Total
	Water Utility Capital Fund	Major Facilities Fund	
<hr/>			
<b><u>Non-Construction</u></b>			
<b>Contributions, Loans and Transfers to</b>			
City Hall Debt Service Fund	4,100		4,100
18. Loan Repayment to Sewage Treatment Plant Connection Fee Fund	700,000		700,000
<b>Total Contributions, Loans and Transfers</b>	<b>704,100</b>		<b>704,100</b>
<b>Reserves</b>			
19. Reserve for System Growth Related Projects		1,400,000	1,400,000
20. Reserve for System Rehabilitation/Replacement	1,607,000		1,607,000
<b>Total Reserves</b>	<b>1,607,000</b>	<b>1,400,000</b>	<b>3,007,000</b>
<b>Total Non-Construction</b>	<b>2,764,100</b>	<b>1,415,000</b>	<b>4,179,100</b>
<b>Ending Fund Balance</b>	<b>768,995</b>	<b>1,046,303</b>	<b>1,815,298</b>
<b>TOTAL USE OF FUNDS</b>	<b>6,733,095</b>	<b>2,626,303</b>	<b>9,359,398</b>

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Detail of Capital Projects**

**2. Gold Street Main Relocation**

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b> 3rd Qtr. 2003
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b> 4th Qtr. 2005
<b>Council District:</b>	4	<b>Revised Completion Date:</b> 4th Qtr. 2006
<b>Location:</b>	Route 237 at the Guadalupe River	

**Description:** This project relocates a portion of the Gold Street Water Main to accommodate Santa Clara Valley Water District improvements to the Guadalupe River Channel, which address increases in storm flow related to growth.

**Justification:** This project is necessary to meet growing system demands and improve system efficiency and reliability.

**EXPENDITURE SCHEDULE (000'S)**

Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Design	41										41
Construction	106	354	189	165					165		460
<b>TOTAL</b>	<b>147</b>	<b>354</b>	<b>189</b>	<b>165</b>					<b>165</b>		<b>501</b>

**FUNDING SOURCE SCHEDULE (000'S)**

Major Facilities Fund	147	354	189	165					165		501
<b>TOTAL</b>	<b>147</b>	<b>354</b>	<b>189</b>	<b>165</b>					<b>165</b>		<b>501</b>

**ANNUAL OPERATING BUDGET IMPACT (000'S)**

None

**Major Changes in Project Cost:**

None

**Notes:**

<b>FY Initiated:</b>	2003-2004	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>	\$500,000	<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	4738		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 3. Infrastructure Improvements

**CSA:** Environmental and Utility Services **Initial Start Date:** Ongoing  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Environmental Services **Initial Completion Date:** Ongoing  
**Council District:** 2, 4, 7, 8 **Revised Completion Date:**  
**Location:** System-wide

**Description:** This project will replace and/or refurbish pumps, motors, valves, electrical control mechanisms, generators, and water mains that are nearing the end of their useful lives. Selection and scope of each year's project will be based on previous year's maintenance needs.

**Justification:** Mechanical equipment requires replacement at the end of its service life.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Construction		404	404	400	420	440	460	480	2,200		
<b>TOTAL</b>		<b>404</b>	<b>404</b>	<b>400</b>	<b>420</b>	<b>440</b>	<b>460</b>	<b>480</b>	<b>2,200</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Water Utility Capital Fund		404	404	400	420	440	460	480	2,200		
<b>TOTAL</b>		<b>404</b>	<b>404</b>	<b>400</b>	<b>420</b>	<b>440</b>	<b>460</b>	<b>480</b>	<b>2,200</b>		

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

#### Major Changes in Project Cost:

N/A

#### Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

**FY Initiated:** Ongoing **Redevelopment Area:** N/A  
**Initial Project Budget:** **SNI Area:** N/A  
**Appn. #:** 5366



# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 4. Meter Installations

**CSA:** Environmental and Utility Services **Initial Start Date:** Ongoing  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Environmental Services **Initial Completion Date:** Ongoing  
**Council District:** 2, 4, 7, 8 **Revised Completion Date:**  
**Location:** System-wide

**Description:** This allocation provides funds to purchase, test, and install water meters for new developments and customers.

**Justification:** This annual project is needed to provide service to new customers.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year Project Total
Construction		347	347	300	300	320	320	320	1,560	
<b>TOTAL</b>		<b>347</b>	<b>347</b>	<b>300</b>	<b>300</b>	<b>320</b>	<b>320</b>	<b>320</b>	<b>1,560</b>	
FUNDING SOURCE SCHEDULE (000'S)										
Water Utility Capital Fund		347	347	300	300	320	320	320	1,560	
<b>TOTAL</b>		<b>347</b>	<b>347</b>	<b>300</b>	<b>300</b>	<b>320</b>	<b>320</b>	<b>320</b>	<b>1,560</b>	
ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

**FY Initiated:** Ongoing **Redevelopment Area:** N/A  
**Initial Project Budget:** **SNI Area:** N/A  
**Appn. #:** 4347

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 5. North First Street Parallel Main

**CSA:** Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2008  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Environmental Services **Initial Completion Date:** 2nd Qtr. 2010  
**Council District:** 4 **Revised Completion Date:**  
**Location:** North First Street from Montague Expressway to River Oaks Drive  
**Description:** The entire project will be constructed in four segments of approximately 5,000 feet each. The current phase, Phase II, includes the construction of a 12-inch diameter water main on the east side of North First Street, parallel to the existing 18-inch techite main, and will be completed in 2nd Qtr. 2006. Phase III will extend 5,000 feet on North First Street from Baypoint Drive to Lamplighter Way and will be completed in 2010. Phase IV will be brought forward in a future CIP and the budget will be established at that time.  
**Justification:** The existing techite water main has proven to be unreliable.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Design	39	14	14			200			200		253
Construction	798	1,048	1,048				1,450	25	1,475		3,321
<b>TOTAL</b>	<b>837</b>	<b>1,062</b>	<b>1,062</b>			<b>200</b>	<b>1,450</b>	<b>25</b>	<b>1,675</b>		<b>3,574</b>

#### FUNDING SOURCE SCHEDULE (000'S)

Water Utility Capital Fund						200	1,450	25	1,675		1,675
Major Facilities Fund	837	1,062	1,062								1,899
<b>TOTAL</b>	<b>837</b>	<b>1,062</b>	<b>1,062</b>			<b>200</b>	<b>1,450</b>	<b>25</b>	<b>1,675</b>		<b>3,574</b>

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

#### Major Changes in Project Cost:

1999-2003 CIP - increase of \$2.7 million to reflect scope changes to include additional phases.  
 2006-2010 CIP - decrease of \$38,000 to reflect updated project costs.

#### Notes:

The Initial Start/End dates reflect Phase III of the four phase project. Funding programmed in 2005-2006 reflects completion and close-out costs for Phase II.

<b>FY Initiated:</b>	2003-2004	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>	\$900,000	<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	6072		

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Detail of Capital Projects**

**6. Norwood Pump Station Replacement**

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b> 3rd Qtr. 2006
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b> 2nd Qtr. 2008
<b>Council District:</b>	8	<b>Revised Completion Date:</b>
<b>Location:</b>	Norwood Avenue	

**Description:** This project consists of the replacement and upgrade of an existing pump station that will have reached the end of its useful life.

**Justification:** To ensure the efficient operation of the water system, pump stations must be replaced at the end of their useful life. The redesign will improve operating efficiency and system operations.

**EXPENDITURE SCHEDULE (000'S)**

Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Design				50	85				135		135
Bid & Award					5				5		5
Construction					660	50			710		710
<b>TOTAL</b>				<b>50</b>	<b>750</b>	<b>50</b>			<b>850</b>		<b>850</b>

**FUNDING SOURCE SCHEDULE (000'S)**

Water Utility Capital Fund	50	450	50						550		550
Major Facilities Fund					300				300		300
<b>TOTAL</b>	<b>50</b>	<b>750</b>	<b>50</b>						<b>850</b>		<b>850</b>

**ANNUAL OPERATING BUDGET IMPACT (000'S)**

None

**Major Changes in Project Cost:**

None

**Notes:**

<b>FY Initiated:</b>	2006-2007	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>	\$850,000	<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	5519		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 7. Reservoir Seismic Retrofit

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Multi-phase
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	Multi-phase
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This project will retrofit existing reservoirs with flexible pipeline connections and other miscellaneous improvements to better protect the system during seismic events.

**Justification:** Seismic events can cause reservoirs to move relative to system piping. Flexible couplings are needed to protect both the reservoir and system piping from damage.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Project Total
Design	49	25	25	20					20	94
Construction	26	105	105	80					80	211
<b>TOTAL</b>	<b>75</b>	<b>130</b>	<b>130</b>	<b>100</b>					<b>100</b>	<b>305</b>

FUNDING SOURCE SCHEDULE (000'S)										
Water Utility Capital Fund	75	130	130	100					100	305
<b>TOTAL</b>	<b>75</b>	<b>130</b>	<b>130</b>	<b>100</b>					<b>100</b>	<b>305</b>

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**

2005-2009 CIP - decrease of \$100,000 to reflect revised cost estimates and anticipated project savings.

2006-2010 CIP - decrease of \$93,000 to reflect revised cost estimates and anticipated project savings.

**Notes:**

This project consists of multiple smaller projects.

<b>FY Initiated:</b>	2000-2001	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>	\$500,000	<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	6731		

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Detail of Capital Projects**

**8. Security Improvements**

**CSA:** Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2004  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
 Safe, Reliable, and Sufficient Water Supply **Initial Completion Date:** 2nd Qtr. 2007  
**Department:** Environmental Services **Revised Completion Date:**  
**Council District:** 2, 4, 7, 8  
**Location:** System-wide

**Description:** This project includes the installation of additional security equipment at various system facilities.

**Justification:** This project is necessary due to changes in federal requirements regarding water system security.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year
Design	8	15	15	15					15	38
Construction	116	147	77	205					205	398
<b>TOTAL</b>	<b>124</b>	<b>162</b>	<b>92</b>	<b>220</b>					<b>220</b>	<b>436</b>

FUNDING SOURCE SCHEDULE (000'S)										
Water Utility Capital Fund	124	162	92	220					220	436
<b>TOTAL</b>	<b>124</b>	<b>162</b>	<b>92</b>	<b>220</b>					<b>220</b>	<b>436</b>

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**

None

**Notes:**

**FY Initiated:** 2004-2005 **Redevelopment Area:** N/A  
**Initial Project Budget:** \$450,000 **SNI Area:** N/A  
**Appn. #:** 4299

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 9. Service Installations

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This project provides funding for the installation of connections between water mains and meters, and the extension of existing water mains.

**Justification:** As development proceeds in the City, connections between water mains and meters are required to service new customers.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Construction		487	487	350	360	370	380	390	1,850		
<b>TOTAL</b>		<b>487</b>	<b>487</b>	<b>350</b>	<b>360</b>	<b>370</b>	<b>380</b>	<b>390</b>	<b>1,850</b>		

FUNDING SOURCE SCHEDULE (000'S)											
Water Utility Capital Fund		487	487	350	360	370	380	390	1,850		
<b>TOTAL</b>		<b>487</b>	<b>487</b>	<b>350</b>	<b>360</b>	<b>370</b>	<b>380</b>	<b>390</b>	<b>1,850</b>		

ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	4348		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 10. System Maintenance/Repairs

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This project funds emergency and miscellaneous repairs in the distribution system.

**Justification:** The distribution system requires repairs as a result of line breakage or valve malfunction. This project will provide for repairs to avoid property damage and restore service promptly.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Construction		508	508	430	450	470	490	510	2,350		
<b>TOTAL</b>		<b>508</b>	<b>508</b>	<b>430</b>	<b>450</b>	<b>470</b>	<b>490</b>	<b>510</b>	<b>2,350</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Water Utility Capital Fund	508	508	430	450	470	490	510	2,350		
<b>TOTAL</b>	<b>508</b>	<b>508</b>	<b>430</b>	<b>450</b>	<b>470</b>	<b>490</b>	<b>510</b>	<b>2,350</b>		

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

#### Major Changes in Project Cost:

N/A

#### Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	5876		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 11. Villa Vista Reservoir Rehabilitation

**CSA:** Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2006  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Environmental Services **Initial Completion Date:** 1st Qtr. 2008  
**Council District:** 8 **Revised Completion Date:**  
**Location:** Villa Vista Road, 450 feet south of Yerba Buena Road  
**Description:** This project rehabilitates a 300,000 gallon steel reservoir serving portions of the Evergreen service area.  
**Justification:** The existing reservoir protective coating has severely deteriorated and requires rehabilitation to prevent premature replacement of the reservoir.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Design				40					40		40
Bid & Award					5				5		5
Construction					205				205		205
TOTAL				40	210				250		250
FUNDING SOURCE SCHEDULE (000'S)											
Water Utility Capital Fund				40	210				250		250
TOTAL				40	210				250		250
ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

**Major Changes in Project Cost:**  
 None

**Notes:**

<b>FY Initiated:</b>	2006-2007	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>	\$250,000	<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	5522		



**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Detail of Capital Projects**

**12. Water Valve Rehabilitation**

**CSA:** Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2005  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Environmental Services **Initial Completion Date:** 3rd Qtr. 2006  
**Council District:** 2, 4, 7, 8 **Revised Completion Date:** 3rd Qtr. 2007  
**Location:** System-wide

**Description:** This project will locate and exercise all water valves in the field, plot their location, and replace malfunctioning valves.

**Justification:** Valves must be exercised periodically to insure functionality in case of emergency.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year
Design		35	25	10					10	
Construction		215	150	165					165	
<b>TOTAL</b>		<b>250</b>	<b>175</b>	<b>175</b>					<b>175</b>	

FUNDING SOURCE SCHEDULE (000'S)										
Water Utility Capital Fund		250	175	175					175	
<b>TOTAL</b>		<b>250</b>	<b>175</b>	<b>175</b>					<b>175</b>	

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**  
2007-2011 CIP - increase of \$100,000 to reflect scope changes.

**Notes:**

**FY Initiated:** 2005-2006 **Redevelopment Area:** N/A  
**Initial Project Budget:** \$250,000 **SNI Area:** N/A  
**Appn. #:** 5167

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 13. Advance System Design

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This allocation funds the design, engineering, and inspection for new developments connecting to the Water Utility System.

**Justification:** This annual allocation is necessary to accommodate ongoing development and the expenditures are reimbursed by developers.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year
Advanced Planning		310	310	320	330	340	350	360	1,700	
<b>TOTAL</b>		<b>310</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>	<b>1,700</b>	

FUNDING SOURCE SCHEDULE (000'S)										
	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year
Water Utility Capital Fund		310	310	320	330	340	350	360	1,700	
<b>TOTAL</b>		<b>310</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>	<b>1,700</b>	

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	4346		

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Detail of Capital Projects**

**14. Major Facilities Fee Administration**

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This project provides funding to administer the Major Facilities Fund. The Major Facilities Fund receives fees associated with the connection and operation of municipal water activities for major water facilities constructed in the North San José, Evergreen, Alviso, Edenvale, and Coyote Valley areas.

**Justification:** A small allocation is required to administer the Major Facilities Fund.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year
Program Management		15	15	15	15	15	15	15	75	
<b>TOTAL</b>		<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>75</b>	
FUNDING SOURCE SCHEDULE (000'S)										
Major Facilities Fund		15	15	15	15	15	15	15	75	
<b>TOTAL</b>		<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>75</b>	
ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**  
N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	5369		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 15. Master Plan Engineering

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This ongoing allocation is used to update the Water System Master Plan based on anticipated development and customer consumption data.

**Justification:** This project is needed to update system-wide plans.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year
Master Plan/Study		60	60	60	70	75	80	85	370	
<b>TOTAL</b>		<b>60</b>	<b>60</b>	<b>60</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>	<b>370</b>	
FUNDING SOURCE SCHEDULE (000'S)										
Water Utility Capital Fund		60	60	60	70	75	80	85	370	
<b>TOTAL</b>		<b>60</b>	<b>60</b>	<b>60</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>	<b>370</b>	
ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	4349		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 16. Network System Flow Improvements

**CSA:** Environmental and Utility Services **Initial Start Date:** Ongoing  
**CSA Outcome:** Reliable Utility Infrastructure **Revised Start Date:**  
**Department:** Environmental Services **Initial Completion Date:** Ongoing  
**Council District:** 2, 4, 7, 8 **Revised Completion Date:**  
**Location:** System-wide

**Description:** Computer analysis of the water distribution system is used to determine available flow at the fire hydrants. Modeling of the system's reservoirs, pump stations, and distribution facilities is done using the University of Kentucky's water system analysis software.

**Justification:** This project identifies water mains for network flow improvements on an ongoing basis. This information is used to schedule replacement of existing facilities, or construct new facilities that will upgrade pressure and volume for flow during maximum demand.

#### EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Advanced Planning		51	51	25	15	5	6	6	57		
<b>TOTAL</b>		<b>51</b>	<b>51</b>	<b>25</b>	<b>15</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>57</b>		

#### FUNDING SOURCE SCHEDULE (000'S)

Water Utility Capital Fund		51	51	25	15	5	6	6	57		
<b>TOTAL</b>		<b>51</b>	<b>51</b>	<b>25</b>	<b>15</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>57</b>		

#### ANNUAL OPERATING BUDGET IMPACT (000'S)

None

#### Major Changes in Project Cost:

N/A

#### Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

**FY Initiated:** Ongoing **Redevelopment Area:** N/A  
**Initial Project Budget:** **SNI Area:** N/A  
**Appn. #:** 4350

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 17. Preliminary Engineering

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	Ongoing
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	Ongoing
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This project provides funds for project development in early stages of planning.

**Justification:** This project facilitates cost-effective planning of the Muncipal Water System infrastructure.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Advanced Planning		42	42	45	48	51	55	60	259		
<b>TOTAL</b>		<b>42</b>	<b>42</b>	<b>45</b>	<b>48</b>	<b>51</b>	<b>55</b>	<b>60</b>	<b>259</b>		
FUNDING SOURCE SCHEDULE (000'S)											
Water Utility Capital Fund		42	42	45	48	51	55	60	259		
<b>TOTAL</b>		<b>42</b>	<b>42</b>	<b>45</b>	<b>48</b>	<b>51</b>	<b>55</b>	<b>60</b>	<b>259</b>		
ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

**Major Changes in Project Cost:**

N/A

**Notes:**

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

<b>FY Initiated:</b>	Ongoing	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	4952		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 18. Loan Repayment to Sewage Treatment Plant Connection Fee Fund

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b> 3rd Qtr. 2004
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>
	Safe, Reliable, and Sufficient Water Supply	<b>Initial Completion Date:</b> 3rd Qtr. 2013
<b>Department:</b>	Environmental Services	<b>Revised Completion Date:</b>
<b>Council District:</b>	N/A	
<b>Location:</b>	N/A	

**Description:** This allocation funds the repayment of a Sewage Treatment Plant Connection Fee Fund loan used for construction of water system facilities in the Coyote Valley pursuant to the Master Development Agreement.

**Justification:** Repayment of the loan, needed to fund improvements in the Coyote Valley, is necessary per loan agreements.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Transfer to Other Fund	700	700	700	700	700	700	700	700	3,500	1,750	6,650
<b>TOTAL</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>3,500</b>	<b>1,750</b>	<b>6,650</b>

FUNDING SOURCE SCHEDULE (000'S)											
	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Water Utility Capital Fund	700	700	700	700	700	700	700	700	3,500	1,750	6,650
<b>TOTAL</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>3,500</b>	<b>1,750</b>	<b>6,650</b>

ANNUAL OPERATING BUDGET IMPACT (000'S)											
	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
None											

None

**Major Changes in Project Cost:**

None

**Notes:**

Interest rate for the loan is set at the City's pooled investment rate. Payment schedule assumes annual payments of \$700,000 and a pooled interest rate of 2.7% on the unpaid balance for the life of the loan.

<b>FY Initiated:</b>	2004-2005	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>	\$6,650,000	<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	0100		

# Water Utility System Capital Program

## 2007-2011 Adopted Capital Improvement Program

### Detail of Capital Projects

#### 19. Reserve for System Growth Related Projects

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	N/A
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	N/A
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This reserve sets aside funds for acquisition of property and the construction of facilities to accommodate future system growth and development.

**Justification:** With new growth and development, additional land and water facilities, such as pump stations and reservoirs, will be necessary to expand the system.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Beyond 5-Year	Project Total
Reserve		1,400		1,400					1,400		1,400
<b>TOTAL</b>		<b>1,400</b>		<b>1,400</b>					<b>1,400</b>		<b>1,400</b>

FUNDING SOURCE SCHEDULE (000'S)											
Major Facilities Fund		1,400		1,400					1,400		1,400
<b>TOTAL</b>		<b>1,400</b>		<b>1,400</b>					<b>1,400</b>		<b>1,400</b>

ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

**Major Changes in Project Cost:**

None

**Notes:**

<b>FY Initiated:</b>	2002-2003	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	7892		



**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Detail of Capital Projects**

**20. Reserve for System Rehabilitation/Replacement**

<b>CSA:</b>	Environmental and Utility Services	<b>Initial Start Date:</b>	N/A
<b>CSA Outcome:</b>	Reliable Utility Infrastructure	<b>Revised Start Date:</b>	
<b>Department:</b>	Environmental Services	<b>Initial Completion Date:</b>	N/A
<b>Council District:</b>	2, 4, 7, 8	<b>Revised Completion Date:</b>	
<b>Location:</b>	System-wide		

**Description:** This reserve sets aside funds for rehabilitation and/or replacement of existing facilities.

**Justification:** Existing facilities, such as pipelines, pump stations and reservoirs, will eventually need replacement or rehabilitation. This reserve allows funds to accumulate for this purpose consistent with Ordinance No. 26903.

EXPENDITURE SCHEDULE (000'S)										
Cost Elements	Prior Years	2005-06 Appn.	2005-06 Estimate	2006-07	2007-08	2008-09	2009-10	2010-11	5-Year Total	Project Total
Reserve		1,539		1,607	77	79	66	105	1,934	1,934
<b>TOTAL</b>		<b>1,539</b>		<b>1,607</b>	<b>77</b>	<b>79</b>	<b>66</b>	<b>105</b>	<b>1,934</b>	<b>1,934</b>
FUNDING SOURCE SCHEDULE (000'S)										
Water Utility Capital Fund		1,539		1,607	77	79	66	105	1,934	1,934
<b>TOTAL</b>		<b>1,539</b>		<b>1,607</b>	<b>77</b>	<b>79</b>	<b>66</b>	<b>105</b>	<b>1,934</b>	<b>1,934</b>
ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

**Major Changes in Project Cost:**

None

**Notes:**

<b>FY Initiated:</b>	2003-2004	<b>Redevelopment Area:</b>	N/A
<b>Initial Project Budget:</b>		<b>SNI Area:</b>	N/A
<b>Appn. #:</b>	7011		

**Water Utility System Capital Program**  
**2007-2011 Adopted Capital Improvement Program**  
**Summary of Projects that Start after 2006-2007**

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**Project Name:** Bon Bon Drive Main Replacement  
**5-Year CIP Budget:** \$65,000  
**Total Budget:** \$1,000,000

**Council District:** 8  
**Estimated Start Date:** 3rd Qtr. 2010  
**Estimated End Date:** 3rd Qtr. 2012

**Description:** This project includes the replacement and relocation of approximately 1,650 feet of 8-inch steel water main.

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**Project Name:** Castleton Drive Main Replacement  
**5-Year CIP Budget:** \$900,000  
**Total Budget:** \$900,000

**Council District:** 8  
**Estimated Start Date:** 3rd Qtr. 2010  
**Estimated End Date:** 2nd Qtr. 2012

**Description:** This project replaces and relocates an existing water main on Castleton Drive.

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**Project Name:** Montague Turnout  
**5-Year CIP Budget:** \$325,000  
**Total Budget:** \$5,925,000

**Council District:** 4  
**Estimated Start Date:** 3rd Qtr. 2010  
**Estimated End Date:** 1st Qtr. 2014

**Description:** This project involves the construction of a new turnout and transmission main from the Santa Clara Valley Water District (SCVWD) Milpitas Pipeline. This project will add system reliability and decrease dependence on San Francisco Water Department's Hetch Hetchy system in the North San José service area.

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**Project Name:** Nortech Parkway East Loop Main  
**5-Year CIP Budget:** \$750,000  
**Total Budget:** \$750,000

**Council District:** 4  
**Estimated Start Date:** 3rd Qtr. 2007  
**Estimated End Date:** 2nd Qtr. 2009

**Description:** This project constructs approximately 1,000 feet of water main connecting the east end of the Nortech Parkway water main with Holger Way water main.

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# **Water Utility System Capital Program**

## **2007-2011 Adopted Capital Improvement Program**

### **Summary of Projects with Close-out Costs Only in 2006-2007**

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**Project Name:** CIP Database Enhancement  
**5-Year CIP Budget:** \$3,000  
**Total Budget:** \$4,000  
**Council District:** City-wide

**Initial Start Date:** 3rd Qtr. 2004  
**Revised Start Date:**  
**Initial End Date:** 2nd Qtr. 2007  
**Revised End Date:**

**Description:** The CIP Database is used to monitor, track, schedule and estimate capital projects. This allocation is necessary to continue the City Manager's Office directed CIP Database Enhancement Project.

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**Project Name:** North Coyote Valley Water System  
**5-Year CIP Budget:** \$170,000  
**Total Budget:** \$8,087,000  
**Council District:** 2

**Initial Start Date:** 4th Qtr. 1999  
**Revised Start Date:** 2nd Qtr. 2001  
**Initial End Date:** 2nd Qtr. 2004  
**Revised End Date:** 3rd Qtr. 2006

**Description:** This project provides funds for the rehabilitation of existing wells, installation of well pumps, design and construction of controls, piping, and enclosures at the existing Coyote Valley well sites, and construction of a new reservoir and related piping and appurtenances. Project was completed and in beneficial use in 2004, however remaining funding is allocated in 2006-2007 to fund outstanding project close-out costs.

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